

# Recombinant Human Interleukin 6 Soluble Receptor (rh sIL-6R / CD126)

**Synonyms:** IL6R-alpha, B cell stimulatory factor-2, Membrane glycoprotein 80

**Introduction:** The IL-6 receptor complex is composed of two membrane glycoproteins: the low affinity receptor and the signaltransducing component. The soluble form of IL6R is found in the urine of healthy adult humans and the serum of HIV positive individuals as well as in the cell culture supernatants of stimulated PBMC's. This soluble form of IL6R results from either proteolytic cleavage from the membrane, or an isoform derived splice variant.

**Description:** Recombinant soluble human Interleukin-6 receptor alpha chain (Leu20 - Asp358) containing an amino-terminal His-Tag purified from secreted expression in HEK-293.

**Source:** HEK-293

**Physical Appearance:** Sterile filtered white lyophilized (freeze-dried) powder

**Formulation:** lyophilized from a 0.22 µm filtered solution in PBS

**Solubility:** It is recommended to reconstitute the lyophilized rh sIL-6R in sterile H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:** Lyophilized rh sIL-6R although stable at room temperature for 3 weeks, should be stored desiccated below -18° C. Upon reconstitution rh sIL-6R should be stored at 4° C between 2-7 days and for future use below -18° C. Please prevent freeze-thaw cycles.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Amino Acid Sequence:** HHHHHHHHLAPRRCPAQEVA RGVLTSLPGDSVTLTCPGVE  
EDNATVHWVLRKPAAGSHP SRWAGMGRLLLRSVQLHDS GNYSCYRAGRPAAGTVHLLVD  
VPPEEPQLSCFRKSPLSNV CEWGPRSTPSLTTKAVLLVR KFNQSPAEDFQEPQYSQES  
QKFSCQLAVPEGDSSFYIVS MCVASSVGSKFSKTQTFQGC GILQPDPPANITVTAVARNP  
RWLSVTWQDPHSWNSSFYRL RFELRYRAERSKTFTTWMVK DLQHHCVIHDAWGLRHVVQ  
LRAQEEFGQGEWSEWSPEAM GTPWTESRSPPAENEVSTPM QALTTNKDDDNLFRDSANA TSLPVQD

**Endotoxicity:** The endotoxin level is less than 1 EU / µg determined by LAL method.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	5 µg	Cat.N°	11346060
<i>medium</i>	20 µg	Cat.N°	11346064
<i>large</i>	100 µg	Cat.N°	11346066

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